EDRN Informatics Technical Meeting

February 3-4, 2009

Jet Propulsion Labs, Pasadena, California

Goals and Action Items

EDRN General Informatics Goals:

- Timely release of data
- R Integration
- SAS Integration
- Deposit own algorithm
- Intuitive tools
    - Confidence (e.g. Google)
    - Well integrated
- Automated data capture
- Integration of ERNE/REF Sets
- Simple solutions
- Peer review/good quality
- Few, good examples
- Services-model (specimen tracking)
    - Cloud model

Actions:

• Provide guidelines for data sharing and informatics (RFI and collaborative groups)	JPL and DMCC
• Data Lifecycle	JPL and DMCC
• Publications DB	JPL and DMCC

BMDB

- Security setup for Review
    - Authentication is in place
    - Authorization in place in latest release
    - Population of groups
        - Kristen to populate w/Heather

Actions:

1. Review for April SC Meeting	JPL
2. Create a WG to generate and populate security groups	Heather and Suzanna

3. Add ROC	Andrew
4. Data for ROC will be stored in eCAS	
5. How to generate the curve	
6. R Macros	
7. Sync BMDB and Ontology	Andrew
8. Define panel (Feb. 12 WG Call)	All
9. Look at additional studies focused on DCP. Add more data to the database where appropriate. (e.g. Tim Block, study in Italy - see Ziding about these).	Kristen
10. Add more markers to db a. Go through biomarkers in lists/EDRN literature for preliminary and negative studies b. Go to Ziding - find out what data is available from the DMCC for these studies c. send list to Don for NCI "ok" with investigators d. make db entries when "ok" is received.	Kristen
11. Go back to all markers in db, make sure sensitivity/specificity data is complete in records.	Kristen
12. Enter equations ("combination rules") into db - talk with Andrew and Heather about field in biomarker db for this.	Kristen, Andrew, Heather
13. Get available data on prostate markers (reference set testing, pro-PSA): 4 markers, 3 failed & 1 going ahead to validation (see Ziding).	Kristen
14. Annexin: get abstract from Sam Hanash	Kristen
15. Ziding & Steve Meltzer: esophageal methylation marker (3 genes primary, in valication; 5 additional genes in discovery).	

eCAS

- Add pubmed and pubmed central
- RDF contains both for the protocol

Actions

1. Add pubmed and pubmed central (JPL)	John/Chris
2. Ensure RDF has both pubmed and pubmed central	DMCC
3. Review standard metadata at next WG call (HK and JD)	Heather and Jackie
4. Add ROC data	Heather and Jackie
5. Create documentation or check-list for curator	Heather
6. Data completeness	
7. Define how we add new data elements	Heather
8. Inclusion of Algorithms	Mark and Ziding
9. Demo curator interface	John

Ontology

Actions

1. Define publication model	Deanna and Steve
2. Regular WG calls	Deanna
3. Security model	Deanna
4. Dataset and Product_type definitions	Jackie and Heather
5. Add/Update Biomarker model	Andrew
6. Add/Update eCAS model	John/Chris
7. Governance process (WG)	Heather and Steve
8. Post specifications for public use "EDRN Standards Reference"	
9. Write paper	

eSIS

Actions

1. Automatically pull publications from pubmed (search by PI name)	DMCC
2. Data completeness	DMCC
3. Make RDF operational	JPL
4. QA RDF	DMCC and JPL
5. Move RDF from test to production	DMCC
6. Adopt BMDB Skin	DMCC

ERNE

Actions

1. Merge/Integration of the reference sets	DMCC and JPL
2. Integration of portal and ERNE (long term) – more advertising/google-like	JPL and DMCC
3. Better connect portal and ERNE (short term)	JPL
4. Metrics/Usage	JPL
5. Simplify mapping	DMCC and JPL
6. caTIssue Don Johnsey to email Ian	Don

Steering Committee

Spring

- Biomarker data review
- Talk to PIs about who should come to Fall meeting from their institutions
- Present (BMDB, eSIS (updates/gaps), eCAS, specimen reference sets)

Fall

- Data providers training
- Data users training